



UHF FM TRANSCEIVER

IC-449A (U.S.A. VERSION 440 MHz)

IC-449E (EUROPE VERSION 430 MHz)



The photograph shows the U.S.A. version.

Streamlined UHF champion.

One-touch-access functions

"Easy to operate" design and high-tech features are the beauty of the IC-449A/E. You can activate each function quickly with just one switch. For reliable night operation, most of the switches and controls are illuminated. Icom ensures driving safety.

Just right for your vehicle

The IC-449A/E is one of the smallest transceivers in its class. Measuring only 140(W) × 40(H) × 155(D) mm* with a modern, streamlined and vivid front panel, the IC-449A/E neatly fits any vehicle.

* 5.5(W) × 1.6(H) × 6.1(D) in

Perfect for autopatching (U.S.A. version)

Great for autopatching and repeater control. The supplied HM-56* HAND MICROPHONE has 14 DTMF code memory channels for your convenience. Up to 22-digit telephone number transmission during driving can be performed very easily.

* Europe version: HM-59 HAND MICROPHONE with a 1750 Hz tone call function.

Remotely selects a favorite function

The UP switch on the microphone gives speedy access to a favorite function without stretching your arm.

20 memory and 1 call channels

20 memory channels and a programmable call channel are built into the IC-449A/E to store often used frequencies. Each channel memorizes information to access a repeater. To scan desired frequency range, the transceiver also has 2 separate scan edge channels.

Array of attractive features

- Power to reach distant repeaters: full 35 W.
- High sensitivity with GaAs FETs: 0.16 μ V for 12 dB SINAD.
- High/Low selectable audio tone depending on receiving condition.
- 20 dB RF attenuator against strong signals.
- Built-in programmable tone encoder for the U.S.A. version.
- Programmed scan, memory scan and priority watch.
- 4 kinds of scan resume conditions plus memory skip function.
- Quick QSY'ing with memory transfer function.
- Variety of tuning steps: 5, 10, 12.5, 15, 20, 25 kHz or 1 MHz.
- Split frequency operation using a pair of memory channels.
- Lock function that prevents accidental changes.
- Optional joint plates that stack the IC-229A/E/H.
- Optional pager and code squelch that give selective calling.
- Optional pocket beep and tone squelch for quiet standby.

Icom Inc.

SPECIFICATIONS

GENERAL

- Frequency coverage :

Version	Frequency coverage
U.S.A.	440~450 MHz
Europe Australia	430~440 MHz
- Tuning steps : 5, 10, 12.5, 15, 20, 25 kHz or 1 MHz
- Number of memory channels : Memory channels 20
Call channel 1
Scan edge channels 2
- Mode : FM (F3)
- Antenna impedance : 50 Ω (unbalanced)
- Power supply requirement : 13.8 V DC \pm 15% (negative ground)
- Current drain :

Transmit	High	9.5 A
	Low 3	7.0 A
	Low 2	5.0 A
	Low 1	4.0 A
Receive	Squelched	500 mA
	Max. audio output	800 mA
- Usable temperature range : $-10^{\circ}\text{C}\sim+60^{\circ}\text{C}$; $+14^{\circ}\text{F}\sim+140^{\circ}\text{F}$
- Dimensions : 140(W) \times 40(H) \times 155(D) mm
5.5(W) \times 1.6(H) \times 6.1(D) in
(projections not included)
- Weight : 1.0 kg; 2.2 lb

TRANSMITTER

- Output power :

High	35 W
Low 3	20 W
Low 2	10 W
Low 1	5 W
- Modulation system : Variable reactance frequency modulation
- Maximum frequency deviation : ± 5 kHz
- Spurious emissions : Less than -60 dB
- Microphone impedance : 600 Ω

RECEIVER

- Receive system : Double-conversion superheterodyne
- Intermediate frequencies : 1st 30.875 MHz 2nd 455 kHz
- Sensitivity : Less than $0.16 \mu\text{V}$ for 12 dB SINAD
- Spurious response rejection : More than 60 dB
- Audio output power : 2.4 W at 10% distortion with an 8 Ω load
- Audio output impedance : 4~8 Ω

All stated specifications are subject to change without notice or obligation.

OPTIONS

EXTERNAL SPEAKERS

- SP-10, SP-12** EXTERNAL SPEAKERS For mobile operations.
SP-10: Provides excellent audio. (4 Ω , 5 W)
SP-12: Can be easily installed on a vehicle sun visor. (8 Ω , 3 W)
- SP-7** EXTERNAL SPEAKER Suitable for base station operation. (8 Ω , 5 W)

MICROPHONES

- HM-56** HAND MICROPHONE Equipped with 14 DTMF code memory channels for auto dialing and a 1750 Hz tone call function. Same type as supplied with the U.S.A. version.
- HM-58** HAND MICROPHONE Same type as supplied with Australia version.
- HM-59** HAND MICROPHONE Equipped with a 1750 Hz tone call function. Same type as supplied with Europe version.
- HS-15** FLEXIBLE MOBILE MICROPHONE + **HS-15SB** SWITCHBOX
For all-around mobile operations.
- SM-6, SM-8** DESKTOP MICROPHONES
SM-6: Easy-to-use goose-neck microphone.
SM-8: Up/down switches are included. Can be used with 2 Icom transceivers.

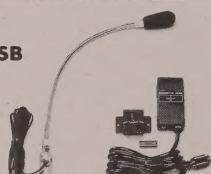
INTERNAL UNITS

- UT-50** TONE SQUELCH UNIT Provides pocket beep and tone squelch functions and ensures quiet standby. Also allows you to access a repeater requiring a subaudible tone.
- UT-51** PROGRAMMABLE TONE ENCODER UNIT Allows you to access a repeater requiring a subaudible tone. Already installed in the U.S.A. version.
- UT-55** DTMF ENCODER/DECODER UNIT Ensures the pager and code squelch functions with DTMF codes.

OTHER OPTIONS

- IC-PS30** AC POWER SUPPLY Equipped with 3 output connectors. (13.8 V, 25 A)
- MB-27** MOBILE MOUNTING BRACKET Same type as supplied with the IC-449A/E.
- MB-34** JOINT PLATES Stacks the IC-229A/E/H, IC-1200A/E, IC-1201A/E and IC-449A/E.
- OPC-044B** DC POWER CABLE Same type as supplied with the IC-449A/E. Equipped with a 2 pin plug.

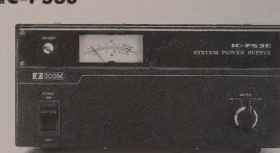
SP-12

HS-15
+
HS-15SB

SM-8



IC-PS30



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